

Notice of Allowability

Application No.

09/927,224

Applicant(s)

GURUMOORTHY ET AL.

Examiner

Philip C. Lee

Art Unit

2152

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11/21/06.
2. ☒ The allowed claim(s) is/are 1-5, 7-11, 19-23 and 35-37.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 10/27/06
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 1/19/07

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____


BUNJOB JAROENCHONWANIT
SUPERVISORY PATENT EXAMINER

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Brent E. Vecchia, reg. no. 48,011 on January 19, 2007.

3. The application has been amended as follows:

a. Replace claim 1 to read as of the following,

In Claim 1,

1. (Currently Amended) A method comprising:

launching a diagnostic agent process at ~~natively included in firmware of~~ a host processing system upon boot-up of the host processing system;

transmitting a hardware version associated with the diagnostic agent process from the diagnostic agent process to a diagnostic server;

receiving data from the diagnostic server at the host processing system via a data network to provide one or more diagnostic procedures for the diagnostic agent process, wherein the

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diagnostic server is a centralized repository for the diagnostic procedures, and wherein the one or more diagnostic procedures are selected based on the hardware version ~~from a remote processing system via a data network coupled to the host processing system;~~

upon receipt of the one or more diagnostic procedures, automatically executing the one or more diagnostic procedures on the host processing system using a firmware interface to provide one or more diagnostic results;

receiving updated diagnostic procedures from the diagnostic server to maintain synchronization of the diagnostic agent process with current diagnostic procedures; and

transmitting the one or more diagnostic results to the diagnostic server ~~remote processing system.~~

b. Replace claim 2 to read as of the following,

In Claim 2,

2. (Currently Amended) The method of claim 1, the method further comprising:

formatting the diagnostic results for transmission ~~to a destination; and~~

~~transmitting the formatted diagnostic results to the destination through the data network.~~

c. Replace claim 5 to read as of the following,

In Claim 5,

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5. (Currently Amended) The method of claim 1, the method further comprising transmitting a request for the data to provide one or more diagnostic procedures ~~to a diagnostic procedure source~~ through the data network in response to launching the diagnostic agent process.

d. Delete claim 6 as of the following,

6. (Canceled)

e. Replace claim 7 to read as of the following,

In Claim 7,

7. (Currently Amended) An article comprising:

a storage medium comprising machine-readable instructions stored thereon for:

launching a diagnostic agent process ~~at natively included in firmware of~~ a host processing system upon boot-up of the host processing system;

transmitting a hardware version associated with the diagnostic agent process from the diagnostic agent process to a diagnostic server;

receiving data from the diagnostic server at the host processing system via a data network to provide one or more diagnostic procedures for the diagnostic agent process, wherein the diagnostic server is a centralized repository for the diagnostic procedures, and wherein the one or more diagnostic procedures are selected based on the hardware version ~~from a remote processing system via a data network couple to the host processing system;~~

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upon receipt of the one or more diagnostic procedures, automatically executing the one or more of diagnostic procedures on the host processing system using a firmware interface to provide one or more diagnostic results;

receiving updated diagnostic procedures from the diagnostic server to maintain synchronization of the diagnostic agent process with current diagnostic procedures; and

transmitting the one or more diagnostic results to the diagnostic server ~~remote processing system~~.

f. Replace claim 8 to read as of the following,

In Claim 8,

8. (Currently Amended) The article of claim 7, wherein the storage medium further comprises machine-readable instructions stored thereon for: formatting the diagnostic results for transmission ~~to a destination~~; and transmitting the formatted diagnostic results ~~to the destination~~ through the data network.

g. Replace claim 11 to read as of the following,

In Claim 11,

11. (Currently Amended) The article of claim 7, wherein the storage medium further comprises machine-readable instructions stored thereon for launching a second diagnostic agent process to the processing system, the second diagnostic agent process comprising logic to transmit a request for the data to provide one or more diagnostic procedures ~~to a diagnostic procedure source~~ through the data network and logic to initiate execution of diagnostic procedures.

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h. Delete claims 13-18 as of the following,

13-18. (Canceled)

i. Replace claim 19 to read as of the following,

In Claim 19,

19. (Currently Amended) A system comprising:

a wireless network;

a diagnostic ~~source~~ server coupled to the wireless network the diagnostic server to update diagnostic procedures, and to transmit updated diagnostic procedures to a diagnostic agent process on a host processing system to maintain synchronization of the diagnostic agent process with current diagnostic procedures, wherein the diagnostic server is a centralized repository for the diagnostic procedures; and

[[a]] the host processing system including at least one central processing unit to execute logics comprising:

logic to launch~~[[a]] the~~ diagnostic agent process ~~on~~ natively included in firmware of the host processing system upon boot-up of the host processing system;

logic to transmit a hardware version associated with the diagnostic agent process from the diagnostic agent process to the diagnostic server;

logic to receive data to provide one or more diagnostic procedures for the diagnostic agent process from the diagnostic ~~source~~ server via the wireless network, wherein the one or more diagnostic procedures are selected by the diagnostic server based on the transmitted hardware version;

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logic to upon receipt of the one or more diagnostic procedures, automatically execute the one or more diagnostic procedures using a firmware interface to provide one or more diagnostic results; and

logic to transmit the one or more diagnostic results to the diagnostic ~~source~~ server.

j. Replace claim 20 to read as of the following,

In Claim 20,

20. (Currently Amended) The system of claim 19, wherein the processing system further comprises: logic to format the diagnostic results for transmission ~~to a destination~~; and logic to transmit the formatted diagnostic results ~~to the destination~~ through the wireless network.

k. Replace claim 22 to read as of the following,

In Claim 22,

22. (Currently Amended) The system of claim 19, wherein the processing system further comprises logic to transmit a message to the diagnostic ~~source~~ server through the wireless network in response to a launch of the diagnostic agent process, the message requesting the data to provide the one or more diagnostic procedures.

l. Replace claim 23 to read as of the following,

In Claim 23,

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23. (Currently Amended) The system of claim 19, wherein the processing system further comprises logic to transmit a request for the data to provide the one or more diagnostic procedures to the diagnostic ~~source~~ server through the wireless network in response to a launch of the diagnostic agent process.

m. Delete claim 24 to read as of the following,

24. (Canceled)

n. Add claim 35 to read as of the following,

In Claim 35,

35. (New) The method of claim 1, wherein the diagnostic agent process is launched natively at firmware included in the host processing system.

o. Add claim 36 to read as of the following,

In Claim 36,

36. (New) The article of claim 7, wherein the diagnostic agent process is launched natively at firmware included in the host processing system.

p. Add claim 37 to read as of the following,

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In Claim 37,

37. (New) The system of claim 19, wherein the diagnostic agent process is launched natively at firmware included in the host processing system.

Reason for Allowance


4. The following is an examiner's statement of reasons for allowance: None of the prior art of records teach or suggest in combination a method comprising: launching a diagnostic agent process at a host processing system upon boot-up of the host processing system; transmitting a hardware version associated with the diagnostic agent process from the diagnostic agent process to a diagnostic server; receiving data from the diagnostic server at the host processing system via a data network to provide one or more diagnostic procedures for the diagnostic agent process, wherein the diagnostic server is a centralized repository for the diagnostic procedures, and wherein the one or more diagnostic procedures are selected based on the hardware version; upon receipt of the one or more diagnostic procedures, automatically executing the one or more diagnostic procedures on the host processing system using a firmware interface to provide one or more diagnostic results; receiving updated diagnostic procedures from the diagnostic server to maintain synchronization of the diagnostic agent process with current diagnostic procedures; and transmitting the one or more diagnostic results to the diagnostic server

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Philip C Lee whose telephone number is (571)272-3967. The examiner can normally be reached on 8 AM TO 5:30 PM Monday to Thursday and every other Friday. If attempts to reach the examiner by telephone are unsuccessful, the examiner's

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supervisor, Bunjob Jaroenchonwanit can be reached on (571) 272-3913. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

P.L.



BUNJOB JAROENCHONWANIT
SUPERVISOR PATENT EXAMINER